Part C
4G-2

February 2, 2011

Project 10627.003.0

Carmen D. Santos
Project Manager
RCRA Corrective Action Office
Waste Management Division
USEPA Region 9
Mail Code WST-4
75 Hawthorn Street
San Francisco, California 94105

Re: Former Pechiney Cast Plate Facility (3200 Fruitland Avenue)

Dear Ms. Santos:

As a follow-up to the December 29, 2010 submittal, please find attached the preliminary site-specific grading plan (Figure G-9) and site figures depicting the areas where polychlorinated biphenyls will remain in soil after the implementation of the site-specific Remedial Action Plan (Figures G-9A and G-9B) as outlined in our response to Condition C.3.c. of the July 2, 2010[1] conditional approval letter.

Also, please find attached revised Tables 3 and 4 of Attachment 1 - Impact of Additional Soil and Concrete Characterization on Risk-Based Remediation Goals (Condition C.3.a), previously submitted to you on December 29, 2010. These tables were updated to include data qualifiers.

Please give me a call to discuss, or if you need any additional information.

Sincerely yours,
AMEC Geomatrix, Inc.

Linda Conlan, PG
Principal Geologist
Direct Tel.: (949) 574-7083
E-mail: linda.conlan@amec.com

[1] U.S. EPA, July 2, 2010, Polychlorinated Biphenyls – U.S. EPA Conditional Approval Under 40 C FR 761.61(c) Toxic Substances Control Act – "Polychlorinated Biphenyls Notification Plan, Former Pechiney Cast Plate, Inc. Facility, Vernon, California."

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TABLE 3

DIOXIN-LIKE POLYCHLORINATED BIPHENYL (PCB) CONGENERS AND DIOXIN TEQs IN CONCRETE

Former Pechiney Cast Plate, Inc., Facility
Vernon, California

Concentrations reported in picograms per gram (pg/g)

Sample Location	Sample ID	Phase Area	Sample Depth[1]	Sample Date	PCB 77	PCB 81	PCB 105	PCB 114	PCB 118	PCB 123	PCB 126	PCB 156, 157	PCB 167	PCB 169	PCB 189	Dioxin TEQ[2]
				WHO 2005 TEF[3]	0.0001	0.0003	0.00003	0.00003	0.00003	0.00003	0.1	0.00003	0.00003	0.03	0.00003	--[4]
C-12	C-12-A	I	0	09/15/10	190 J	<11.7[5] UJ	825	<45.5	1440	<39.5	<52.6	143	49.0	<15.9	19.9	2.96
DC-154	DC-154-A	I	0	09/15/10	119,000	4660	457,000	28,900	703,000	11,500	5960	44,700	13,200	<564	2630	656
DC-168	DC-168-C	I	0	09/15/10	2,730,000	164,000 J	10,500,000	842,000	18,100,000 J,E	560,000	124,000	1,530,000	509,000	<37,214	302,000	14,250
C-14	C-14-A	IIA/IIB	0	09/15/10	131 J	<29.2 UJ	420 J	<72.4	920 J	<59.9 UJ	<100 UJ	242	98.6	<53.3	45.6	5.87
DC-22	DC-22-A	IIA/IIB	0	09/15/10	1010	<413	3310	<440	7990	405	<339	1300	1020	238	535	24.7
DC-23	DC-23-A	IIA/IIB	0	09/15/10	4060	<1546	13,900	<1109	26,200	<1135	<842 UJ	4340	2740	<536	1030	52.3
DC-52	DC-52-A	IIA/IIB	0	09/15/10	659 J	<59.3 UJ	2220	99.3	2990	104	<82.4	216	136	<50.5	41.7	5.13
B-1	B-1-A4[6]	IV	0	09/15/10	4600	<2171	14,600	<1746	25,200 J	<1546	<1647	1700	<1000	<677	<581	94.6
DC-25	DC-25-A	IV	0	09/15/10	77.9 J	<32.6 UJ	260	<46.8	389	<39.3	<45.1	<46.6	58.0	<34.8	28.5	2.81

Notes:

1. Depth = top of sample depth measured in feet below ground surface.
2. TEQ = Toxic Equivalent. Dioxin TEQ concentrations are calculated as the sum of the concentration of each dioxin-like PCB congener times the congener-specific toxic equivalency factor (TEF). The dioxin-like PCB congener concentrations in concrete and TEFs are listed above. Results below the reporting limit are represented by a value of one half the reporting limit in the dioxin TEQ concentration calculations.
3. WHO 2005 TEF = World Health Organization toxicity equivalency factors (TEF), released in 2005, but published in 2006 by Van den Berg, M. et al. ("The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds," Toxicological Sciences, 93[2]: 223-241, October).
4. -- = not applicable.
5. < = not detected at or above the reporting limit shown.
6. Samples B-1-A1, B-1-A4, and B-1-A5 were collected from the same area. Of the three samples, sample B-1-A4 was selected by SGS for analysis of PCB congeners.

Qualifiers:

E = concentration detected is greater than the upper calibration limit
J = estimated value
UJ = indicates the compound was analyzed but not detected and the sample detection limit is an estimated value.

TABLE 4

DIOXIN-LIKE POLYCHLORINATED BIPHENYL (PCB) CONGENERS AND DIOXIN TEQs IN SOIL

Former Pechiney Cast Plate, Inc., Facility
Vernon, California

Concentrations reported in picograms per gram (pg/g)

Sample Location	Sample ID	Phase Area	Sample Depth[1]	Sample Date	PCB 77	PCB 81	PCB 105	PCB 114	PCB 118	PCB 123	PCB 126	PCB 156, 157	PCB 167	PCB 169	PCB 189	Dioxin TEQ[2]
				WHO 2005 TEF[3]	0.0001	0.0003	0.00003	0.00003	0.00003	0.00003	0.1	0.00003	0.00003	0.03	0.00003	--[4]
#184	184-SS-01	I	1.7	09/13/10	4.18	<2.37[5]	36.6	<4.33	75.4 J	<3.59	<4.44	28.2	9.91	<4.28	2.82	0.29
#185	185-SS-01	I	2.4	09/13/10	5.74	<5.18	40.2	5.85	176 J	5.74	<2.72	6.58	<2.77	<2.39	1.25	0.18
#187	187-SS-01	I	1.8	09/14/10	<60.1	<55.0	2200 J	<216	2740 J	<227 UJ	<306 UJ	4760	1540	<139	176	17.7
#178	178-SS-01	IIA/IIB	0	09/13/10	11,900	<698	44,200 J,E	1060	75,200 J,E	8030	<925	7250	2450	<216	487	54.9
#181	181-SS-01	IIA/IIB	5.7	09/13/10	959	43.3	3620 J,E	253	5950 J,E	141	61.0	597	191	9.68	66.7	6.82
#182	182-SS-01	IIA/IIB	5.7	09/13/10	131,000 J,E	<15,391	565,000 J,E	25,400	1,030,000 J,E	22,400	<8373	157,000 J,E	56,300 J,E	<5493	23,100	573
#188	188-SS-01	IIA/IIB	2.3	09/13/10	26.5	<2.60	99.0	6.87	156 J	4.03	<2.16	7.68	2.73	<1.09	<1.12	0.14
#189	189-SS-01	IIA/IIB	4.7	09/14/10	41.9	<10.7	94.0	<8.38	198 J	<6.87	<8.89	8.55	<3.44	<3.30	<2.00	0.51
#189	189-SS-02	IIA/IIB	9.7	09/14/10	690	<87.7	33,900 J,E	1170	31,800 J,E	1040	<47.6	931	169	<11.5	6.57	4.71
#175	175-SS-01	IIIA	2.7	09/13/10	51,500	3130	246,000 J,E	18,700	320,000 J,E	7200	3450	20,900	5760	252	1210	377
#176	176-SS-01	IIIA	4.5	09/14/10	102,000 J,E	4230	322,000 J,E	23,000	446,000 J,E	13,400	3090	22,000	6090	103	937	349
#177	177-SS-01	IIIA	4.5	09/14/10	4080 J,E	<112	9320 J,E	503	14,200 J,E	368	85.5	464	127	<4.26	17.4	9.79
#180	180-SS-01	IIIA	4.5	09/14/10	1020	39.5	3570 J,E	232	6250 J,E	117	79.1 J	644	163	<11.4	36.1	8.53
#180	180-SS-02	IIIA	9.5	09/14/10	382	16.4	1140	84.1	2150 J	50.4	17.1	128	37.3	<2.64	6.30	1.90
#179	179-SS-01	IV	0.8	09/13/10	<1984	<1837	4220	<1834	6710	<1630	<1716	<1470	<1316	<1296	<967	106
#183	183-SS-01	IV	0.8	09/13/10	32,200 J,E	1160	111,000 J,E	6490	169,000 J,E	4620	1140	8740	2310	49.2	516	128
#186	186-SS-01	VI	2.0	09/14/10	15.4	<4.97	40.4 J	<4.58	60.9 J	<4.31	<4.32	5.27	1.97	<1.58	<1.17	0.25

Notes:

1. Depth = top of sample depth measured in feet below ground surface.
2. TEQ = Toxic Equivalent. Dioxin TEQ concentrations are calculated as the sum of the concentration of each dioxin-like PCB congener times the congener-specific toxic equivalency factor (TEF). The dioxin-like PCB congener concentrations in soil and TEFs are listed above. Results below the reporting limit are represented by a value of one half the reporting limit in the dioxin TEQ concentration calculations.
3. WHO 2005 TEF = World Health Organization toxicity equivalency factors (TEF), released in 2005, but published in 2006 by Van den Berg, M. et al. ("The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds," Toxicological Sciences, 93[2]: 223-241, October).
4. -- = not applicable.
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Qualifiers:

E = concentration detected is greater than the upper calibration limit
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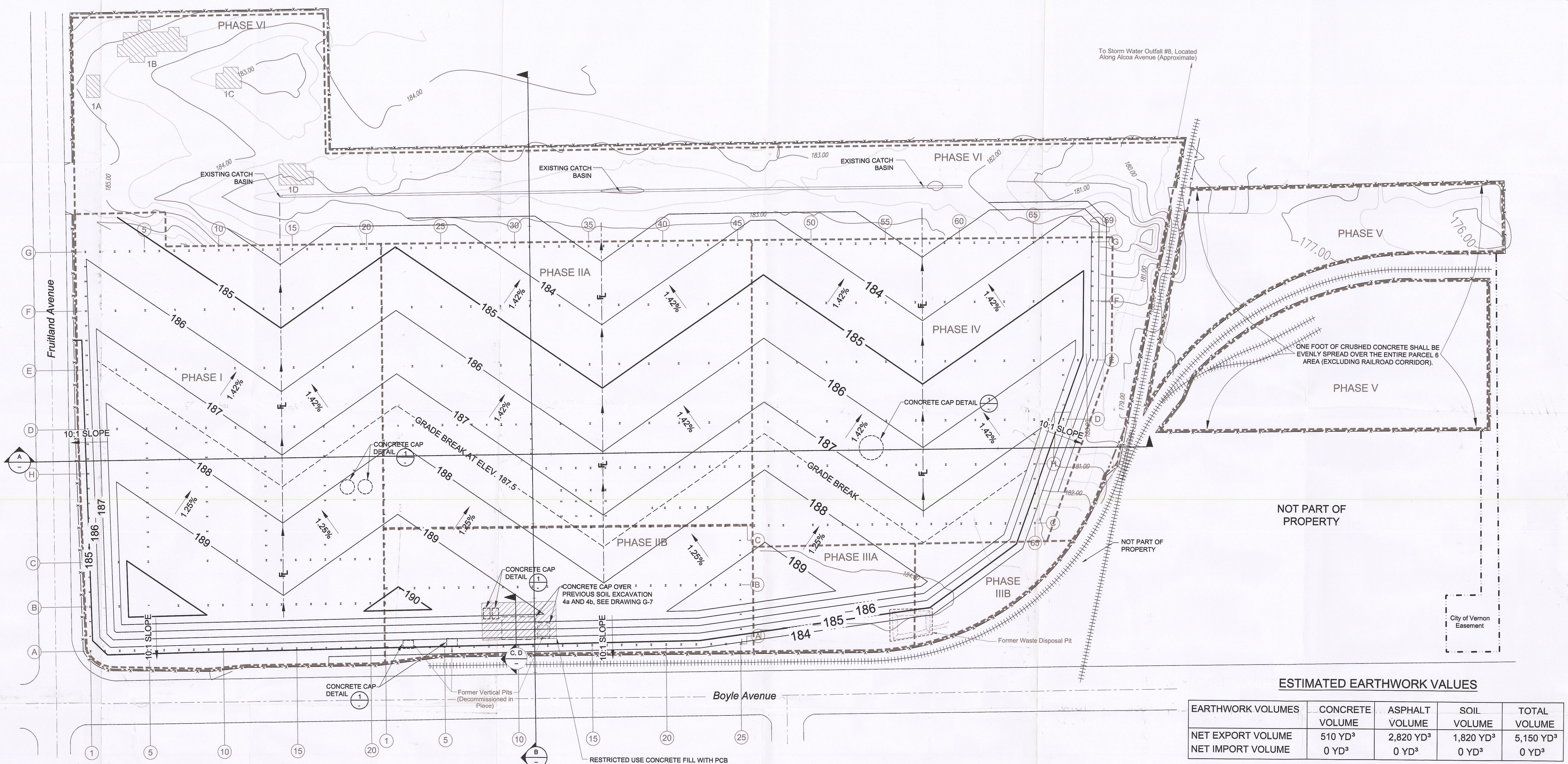


SITE PLAN
SCALE: 1" = 60'

BASEMAP MODIFIED FROM PECHINEY CAST PLATE, INC. SITE PLAN DATED O8 JAN 02, GERAGHTY & MILLER, INC. "GROUNDWATER ELEVATION AND VOLATILE ORGANIC COMPOUND CONCENTRATIONS DECEMBER 8, 1994" FIGURE DATED 2-2-95, ALUMINUM COMPANY OF AMERICA "WORKS GENERAL-MAP" FIGURE DATED 10-10-84, AND LOS ANGELES COUNTY ASSESSOR'S OFFICE PARCEL MAP 6310 / SHEET 8 DATED 11-5-58.

EXPLANATION

- LIMITS OF WORK
- PHASING AREA BOUNDARY
- RAILROAD TRACK (ON GRADE)
- CHAIN LINK FENCE
- BUILDING WALL AND COLUMNS
- EXISTING ELEVATION CONTOUR - 1 FOOT INTERVAL
- EXISTING ELEVATION CONTOUR - ½ FOOT INTERVAL
- PROPOSED ELEVATION CONTOUR - 5 FOOT INTERVAL
- PROPOSED ELEVATION CONTOUR - 1 FOOT INTERVAL
- FLOW LINE
- GRADE BREAK
- 1.2% PROPOSED GROUND SURFACE SLOPE
- INTERIM CAP OVER RESTRICTED USE CONCRETE WITH PCB CONCENTRATION GREATER THAN 1 MILLIGRAMS PER KILOGRAM (mg/kg) AND LESS THAN 3.5 mg/kg
- PREVIOUSLY DECOMMISSIONED AND CONCRETE CAPPED BURIED STRUCTURES WITH PCB IMPACTS IN FORMER ALCOA BUILDING 114 (URSIC, 1996) TO REMAIN IN PLACE
- CONCRETE CAP DETAIL (SEE NOTE 14)

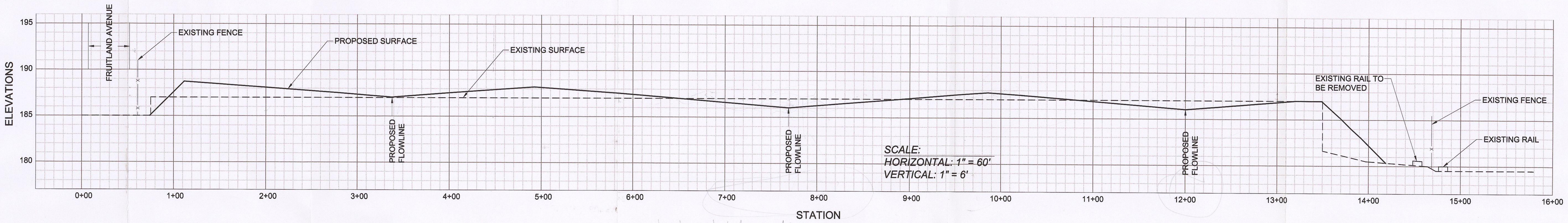
NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND AVOIDING ALL PUBLIC AND PRIVATE UTILITIES DURING BACKFILLING AND GRADING OF SOIL AND MATERIALS UNLESS OTHERWISE STATED IN THE PROJECT DOCUMENTS.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW GRADING PLAN AND SPECIFICATIONS THOROUGHLY PRIOR TO SITE MOBILIZATION. IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE CIVIL ENGINEER IF ONSITE DISCREPANCIES ARE OBSERVED THAT WOULD AFFECT THE EARTHWORK QUANTITIES.
3. THE EXISTING TOPOGRAPHY AS DELINEATED ON THESE DRAWINGS AND THE LIMITS OF WORK SHOWN ON THE DRAWINGS SHALL BE UTILIZED AS THE BASIS FOR ALL EARTHWORK COMPUTATIONS. EXCAVATION VOLUMES ARE BASED ON LIMITED SOIL INVESTIGATION SAMPLING. ACTUAL CONDITIONS MAY VARY FROM OBSERVED OR MEASURED CONDITIONS AT THE TIME OF PLAN PREPARATION. EXTENT OF EXCAVATION AND EXCAVATION VOLUMES ARE APPROXIMATE AND SHALL BE CONFIRMED BY SOIL SAMPLING AT TIME OF EXCAVATION AND SCAQMD RULE 1166 MONITORING. ACTUAL EARTHWORK QUANTITIES MAY VARY AS A RESULT.
4. ALL SOIL SHALL BE MONITORED DURING BACKFILLING AND GRADING OPERATIONS FOR VOLATILE ORGANIC COMPOUNDS (VOCs) BY THE CONTRACTOR IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS, STANDARDS, AND CODES INCLUDING SCAQMD RULE 1166, OSHA AND CALOSHA.
5. CONTRACTOR SHALL RESTORE ALL EXCAVATED AREAS PURSUANT TO THE REQUIREMENTS OF SECTION 02351 AND AS SHOWN ON THE DRAWINGS.
6. CONTRACTOR SHALL PREVENT SOIL, CONCRETE, DEBRIS, AND OTHER CONSTRUCTION MATERIALS FROM ENTERING STORM DRAINS AND SEWER SYSTEMS.
7. CONTRACTOR SHALL PREVENT SITE SOIL AND DEBRIS FROM BEING TRACKED ONTO CITY-RIGHT-OF-WAYS. ANY TRACKED SOIL OR DEBRIS SHALL BE ADDRESSED PURSUANT TO THE REQUIREMENTS OF SECTION 02120.
8. FINAL GRADES SHALL CONTROL AND CONVEY RAINFALL RUNOFF TO EXISTING POINTS OF STORMWATER COLLECTION AS SHOWN ON THE DRAWING. RAINFALL RUNOFF SHALL NOT FLOW OFF-SITE IN AN UNCONTROLLED MANNER.
9. CONTRACTOR SHALL PREPARE AND IMPLEMENT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH THE CALIFORNIA STORMWATER BEST MANAGEMENT PRACTICES (BMP) HANDBOOK (JANUARY, 2003) AND THE REQUIREMENTS OF SECTION 01502.
10. CONTRACTOR SHALL PLACE A MINIMUM THICKNESS OF 3 TO 6 INCHES OF CRUSHED RECYCLED AGGREGATE MATERIALS GENERATED FROM ONSITE CRUSHING OF UNRESTRICTED USE CONCRETE AS UPPERMOST LAYER IN ALL BACKFILL AND GRADING AREAS TO REDUCE POTENTIAL SOIL EROSION.
11. BACKFILL MATERIALS, PLACEMENT, AND COMPACTION SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 02351.
12. INSPECTION OF EARTHWORK AND SOILS TESTING SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 02351.
13. CONTRACTOR SHALL STOCKPILE AND SEGREGATE CONCRETE AND ASPHALT DEBRIS IN SEPARATE PILES. CRUSHED RECYCLED AGGREGATES COMPRISED OF CONCRETE WITH PCB CONCENTRATIONS LESS THAN 1 mg/kg MAY BE USED AS UNRESTRICTED USE FILL AT ANY DEPTH. ASPHALT DEBRIS CANNOT BE USED AS FILL AND MUST BE RECYCLED OR DISPOSED OFF-SITE.
14. CONCRETE CAP SHOWN IN DETAIL 1 SHALL BE PLACED OVER REMAINING PORTIONS OF SUBSURFACE STRUCTURES THAT EXTEND DEEPER THAN 10-FEET BELOW GRADE, AS SPECIFIED IN SECTION 02050 AND SHOWN IN THE DRAWINGS, AND AS IDENTIFIED DURING THE PERFORMANCE OF DEMOLITION WORK.
15. SITE TOPOGRAPHY AS DELINEATED BASED ON SURVEY SPOT ELEVATIONS BY CAL VADA DATED JANUARY 5, 2006 THAT ARE BASED ON THE COUNTY OF LOS ANGELES NGS POINT No. AJ1840 (DESIGNATION BGIS GARDENS INT SCH GRM), ELEVATION 128.31 FEET (NAVD 1988).

ESTIMATED EARTHWORK VALUES

EARTHWORK VOLUMES	CONCRETE VOLUME	ASPHALT VOLUME	SOIL VOLUME	TOTAL VOLUME
NET EXPORT VOLUME	510 YD³	2,820 YD³	1,820 YD³	5,150 YD³
NET IMPORT VOLUME	0 YD³	0 YD³	0 YD³	0 YD³

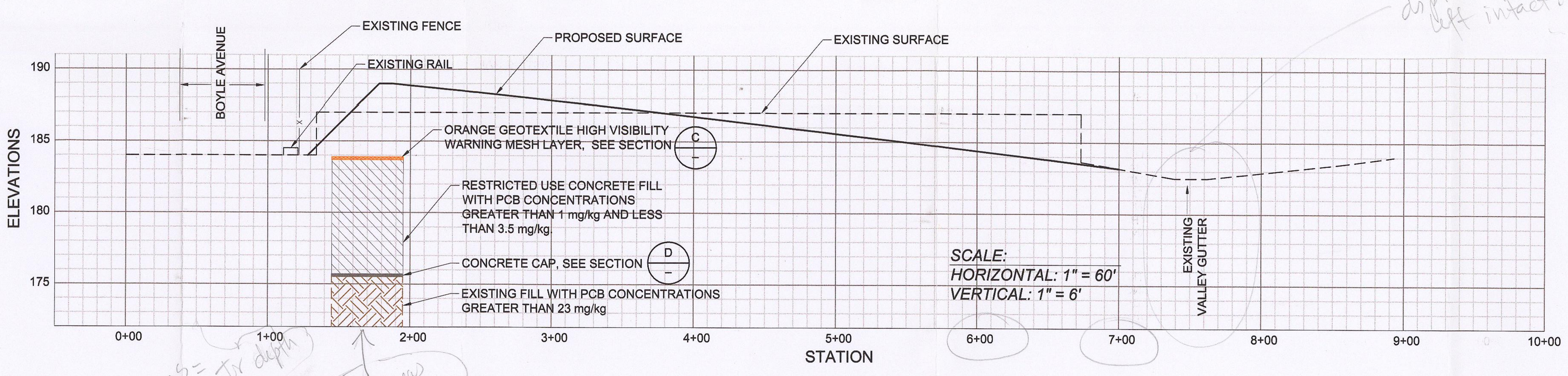
REUSE CRUSHED ITEMS	QUANTITY
CONCRETE FROM DEMOLITION (SLAB AND FOOTINGS) - UNRESTRICTED USE	26,790 YD³
CONCRETE FROM DEMOLITION (SLAB AND FOOTINGS) - RESTRICTED USE	1,510 YD³
TOTAL	28,810 YD³



were not going to disturb soil below 5' bgs.

SECTION A
SCALE: 1" = 60'

asphalt, it will be left intact.

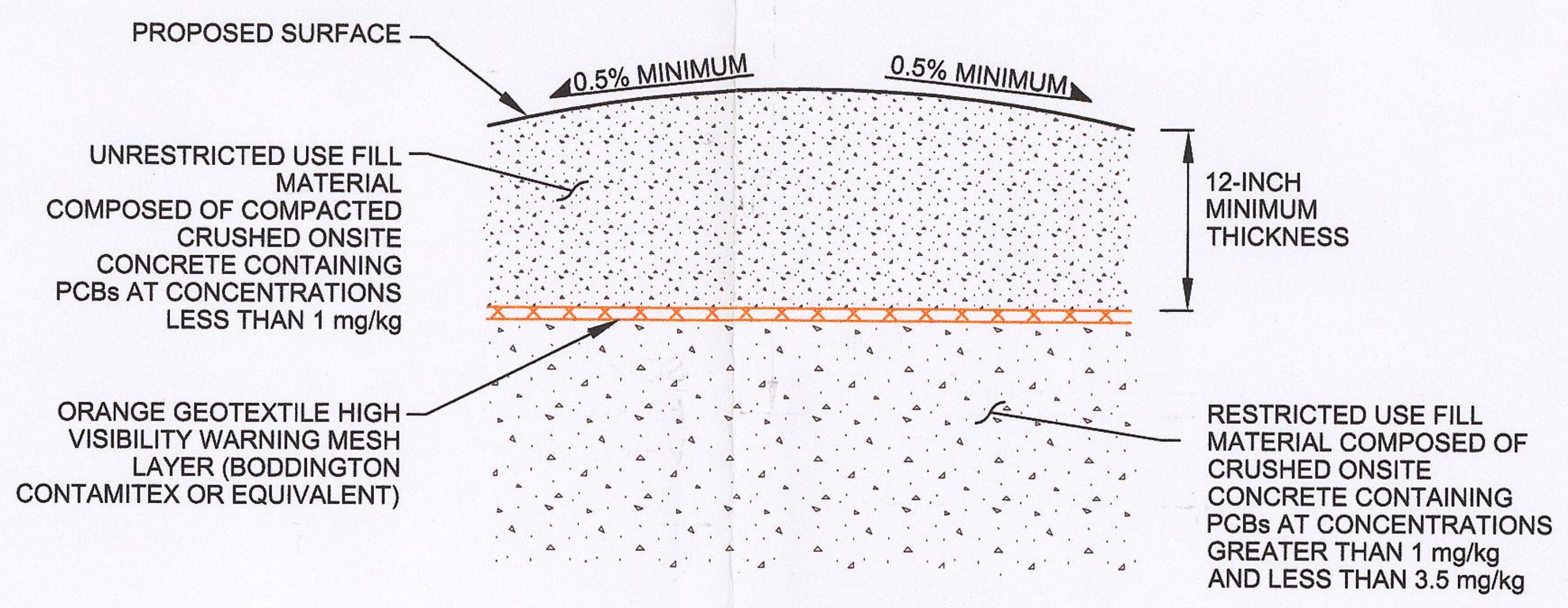


SECTION B
SCALE: 1" = 60'

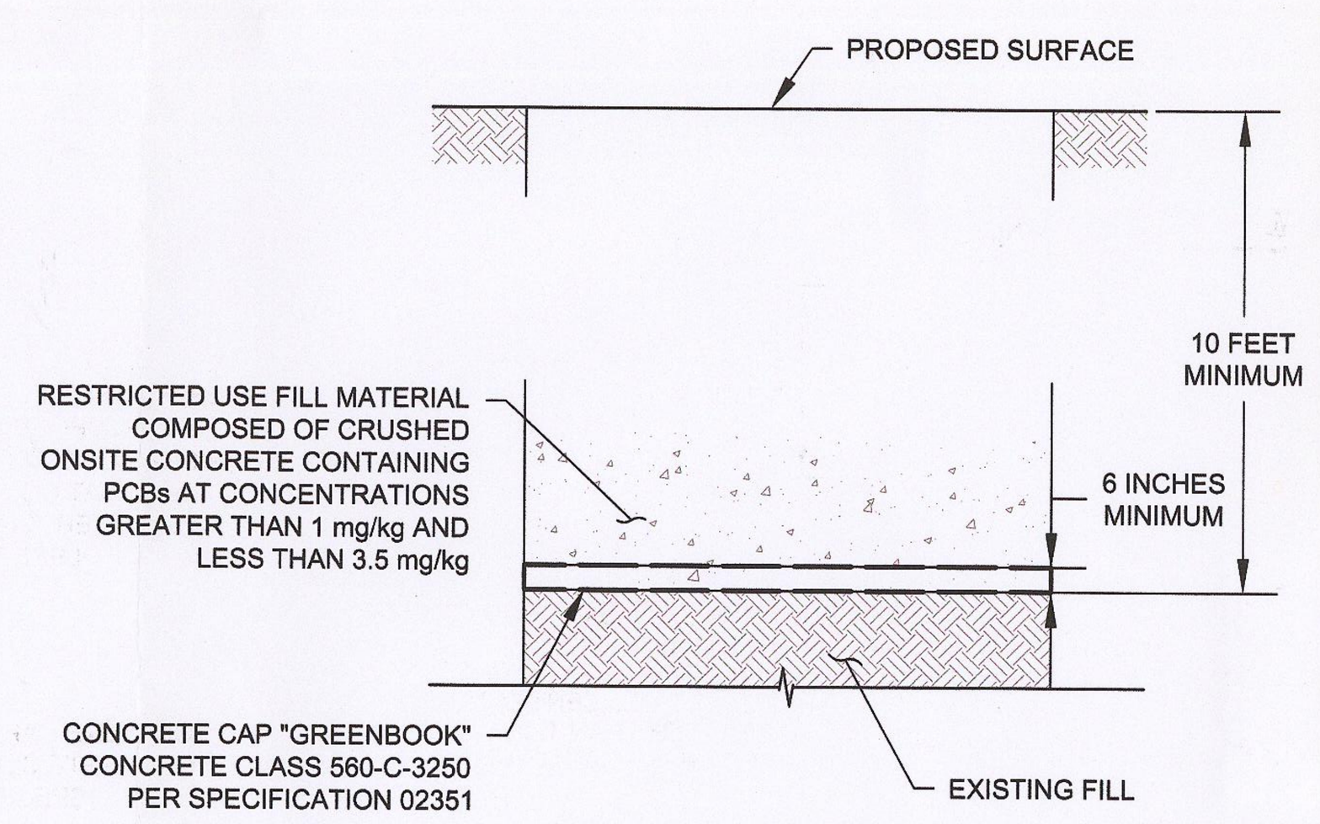
150' bgs = groundwater depth
sand
silty/sand
silty clay

IVA Areas
IVB Areas
are deepest excavations
at the site

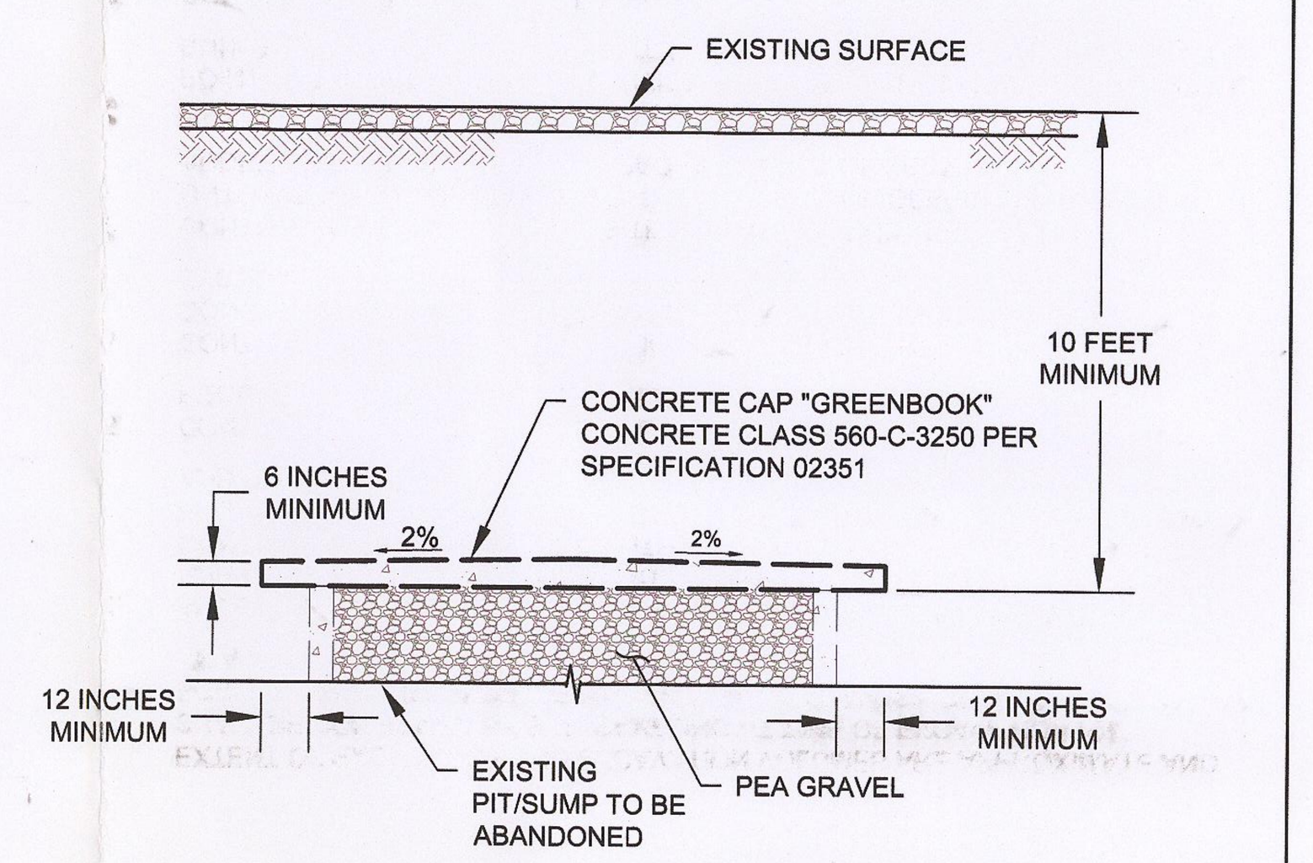
Michael Iskarous



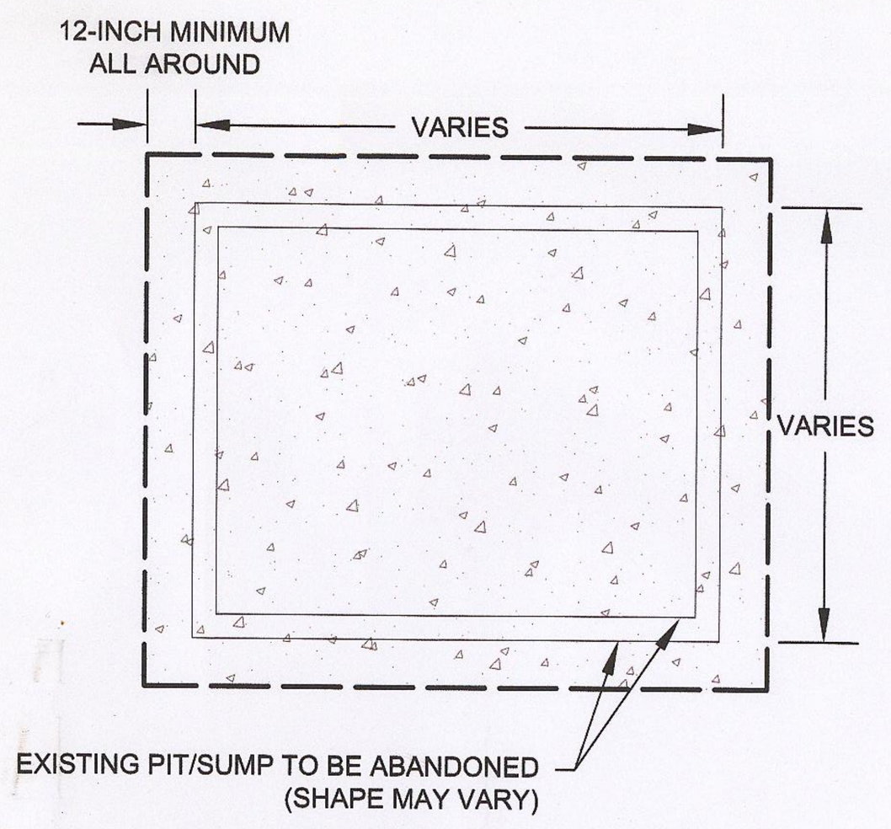
C - TYPICAL INTERIM CAP SECTION
NOT TO SCALE



D - TYPICAL CONCRETE CAP SECTION OVER EXISTING FILL WITH PCB CONCENTRATIONS GREATER THAN 23 mg/kg AT SOIL EXCAVATION AREAS 4a AND 4b
NOT TO SCALE



TYPICAL CONCRETE CAP SECTION



TYPICAL CONCRETE CAP PLAN

1 - TYPICAL CONCRETE CAP OVER FORMER BURIED STRUCTURES DETAIL
NOT TO SCALE

CAUTION: THIS PLAN MAY BE REDUCED 0 1" 2" ORIGINAL SCALE

REFERENCES:	NO.	REVISION	DATE	APRVD
PLANS				
DATUM				

DRAWN PAH
DESIGNED DLS
CHECKED CHKD by
REVIEWED RVWD by

AMEC Geomatrix
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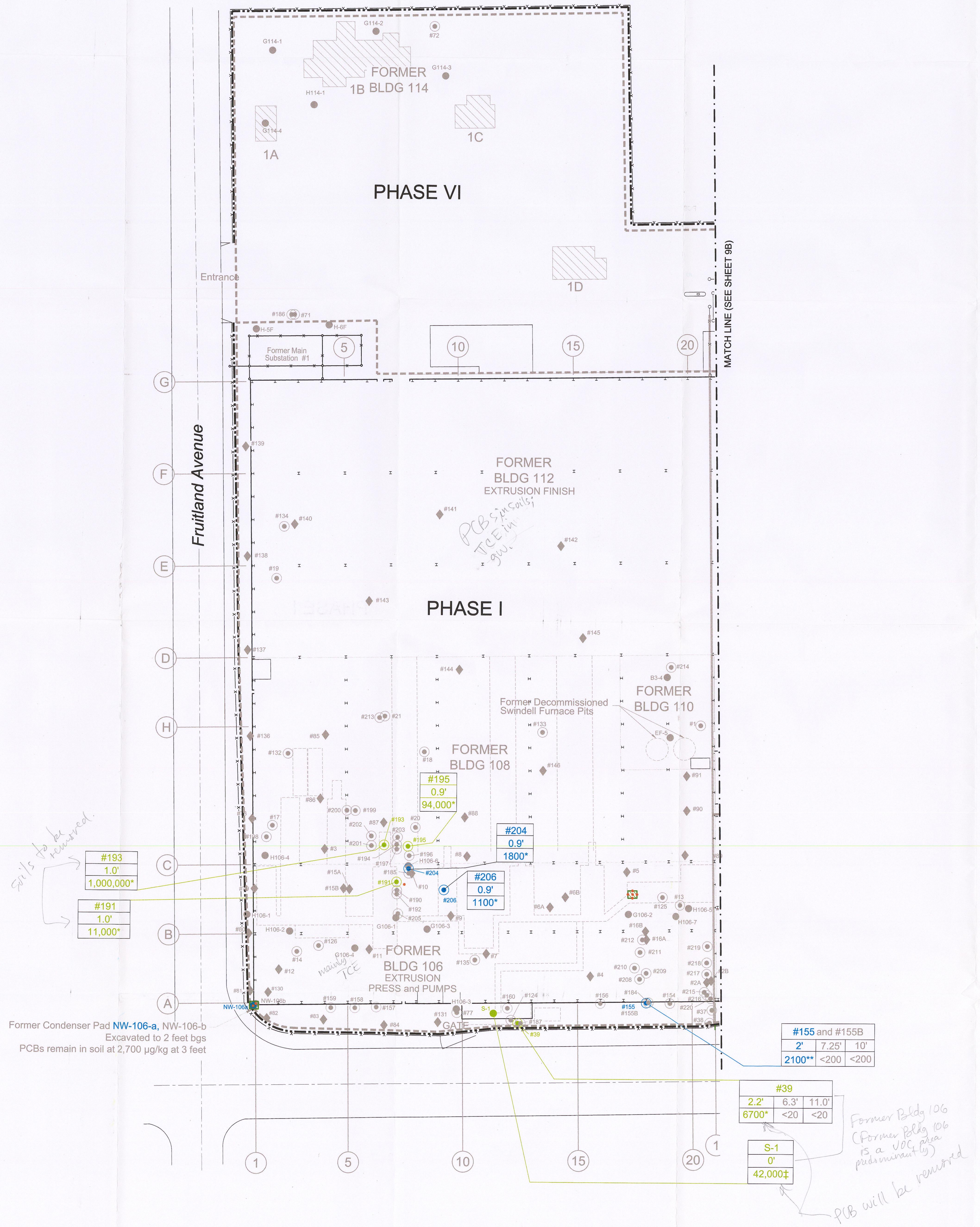
Newport Beach, California
(949) 642-0245

BELOW GRADE DEMOLITION & SOIL EXCAVATION
PECHINEY CAST PLATE, INC., FACILITY
3200 FRUITLAND, VERNON, CALIFORNIA

GRADING PLAN

DATE: 02/01/11
SCALE: AS SHOWN
SHEET: 9 OF 11 SHEETS
PROJ No: 10627.003
G-9

Filepath: Y:\10627.003.0\acad\Reports_2011\Grading Plan AddendumNo-1\G-9.dwg
Plot Time: Feb 01, 2011 - 3:17pm, Plotted By: pat.herring



EXPLANATION

Symbol	Description
#78 ◆	SOIL VAPOR SAMPLING POINT, 2005 AND 2006
#115 ◉	SOIL BORING, 2005, 2006, AND 2010
B-1 ●	SOIL BORING, 1996 AND 1998
•	SAMPLE TAKEN BEFORE AND DURING EXCAVATION ACTIVITIES
(20) (G)	COLUMN AND ROW NUMBERING SYSTEM FOR FOOTINGS
— · · —	LIMITS OF WORK
- - - -	PHASING AREA BOUNDARY
—x——x—	CHAIN LINK FENCE
	PREVIOUS EXCAVATION (ALL PREVIOUS LIMITS OF EXCAVATION ARE APPROXIMATE)
	PREVIOUSLY DECOMMISSIONED AND CONCRETE CAPPED BURIED STRUCTURES WITH PCB IMPACTS IN FORMER ALCOA BUILDING 114 (URSIC, 1996) TO REMAIN IN PLACE
BLDG	BUILDING
6.0'	SAMPLE DEPTH IN FEET BELOW GROUND SURFACE
<2.0	SAMPLE RESULT IS LESS THAN THE REPORTING LIMIT SHOWN
E	PREVIOUSLY EXCAVATED SOIL OR REMOVED DURING ABOVE GRADE DEMOLITION
ND	NOT DETECTED
‡	SUM OF AROCLOR-1248 AND AROCLOR-1260
*	AROCLOR-1248
**	AROCLOR-1260
PCBs	POLYCHLORINATED BIPHENYLS (PCBs) REPORTED IN MICROGRAMS PER KILOGRAM (µg/kg)
BGS	BELOW GRADE SURFACE
#193 ◉	SOIL REMEDIATION AREAS PROPOSED FOR EXCAVATION CONTAINING PCBs GREATER THAN 3.5 mg/kg FROM 0 TO 5 FEET BGS, OR CONTAINING PCBs GREATER THAN 23 mg/kg FROM 5 TO 15 FEET BGS
#206 ◉	NATIVE SOIL TO REMAIN IN PLACE CONTAINING PCBs GREATER THAN 1.0 mg/kg BUT LESS THAN 3.5 mg/kg FROM 0 TO 5 FEET BGS, OR GREATER THAN 23 mg/kg FROM 5 TO 15 FEET BGS, OR GREATER THAN 1.0 mg/kg BELOW 5 FEET BGS

NOTES:

1. ALL LOCATIONS ARE APPROXIMATE.
2. SAMPLES ANALYZED USING EPA METHODS 8080 AND 8082.
3. NO NOTATION ADDED TO AROCLOR-1016 RESULTS.
4. PCB SOIL CONCENTRATIONS LESS THAN 1 mg/kg, OR REPORTED AS NOT DETECTED ARE NOT DEPICTED ON THIS DRAWING.
5. ALL SAMPLE LOCATIONS WITH CORRESPONDING ANALYTICAL DATA FOR PCBs ARE SHOWN ON FIGURES 2a AND 2b OF THE DECEMBER 29, 2010 RESPONSE TO EPA CONDITIONAL APPROVAL.
6. REFERENCES:

A.J. URSIC, JR., 1999, ALUMINUM COMPANY OF AMERICA DIVESTITURE OF THE ALCOA CAST PLATE FACILITY, PARCELS 6, 7, AND 8, VERNON, CALIFORNIA, JULY 26.

A.J. URSIC, JR., 1999, ALUMINUM COMPANY OF AMERICA DIVESTITURE OF THE ALCOA CAST PLATE FACILITY, PARCELS 6, 7, AND 8, VERNON, CALIFORNIA, JUNE 30.

AMEC GEOMATRIX INC., 2009, POLYCHLORINATED BIPHENYLS NOTIFICATION PLAN, FORMER PECHINEY CAST PLATE INC., FACILITY, VERNON, CALIFORNIA, JULY 10.

AMEC GEOMATRIX, INC., 2009 (REVISED), FEASIBILITY STUDY, FORMER PECHINEY CAST PLATE, INC., FACILITY, VERNON, CALIFORNIA, SEPTEMBER 24.

MORRISON KNUDSEN CORPORATION, 1996, PITS, SUMPS, AND TUNNELS SOIL CHARACTERIZATION REPORT, ALUMINUM COMPANY OF AMERICA, VERNON, LOS ANGELES COUNTY, CALIFORNIA, MARCH 25.

Shows all data where PCBs > 1 and less than proposed cleanup level (i.e., blue data)
Green data = soil to be removed.
re proposed
0–5' = 3.5 mg/kg
5'–15' = 23 mg/kg
0'–23' = Aroclor 1254 contaminated soils will be removed if above 2.5 mg/kg

BASEMAP MODIFIED FROM PECHINEY CAST PLATE, INC. SITE PLAN DATED JANUARY 9, 2002; GERAGHTY & MILLER, INC. "GROUNDWATER ELEVATION AND VOLATILE ORGANIC COMPOUND CONCENTRATIONS DECEMBER 8, 1994" FIGURE DATED FEBRUARY 2, 1995; ALUMINUM COMPANY OF AMERICA "WORKS GENERAL-MPA" FIGURE DATED OCTOBER 10, 1984; AND LOS ANGELES COUNTY ASSESSOR'S OFFICE PARCEL MAP 6310/SHEET 8, DATED NOVEMBER 5, 1958.

CAUTION: THIS PLAN MAY BE REDUCED — 0 1" 2" ORIGINAL SCALE

REFERENCES:	NO.	REVISION	DATE	APRVD
PLANS				
DATUM				

DRAWN PAH
DESIGNED DLS
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REVIEWED RVWD by

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BELOW GRADE DEMOLITION & SOIL EXCAVATION
PECHINEY CAST PLATE, INC., FACILITY
3200 FRUITLAND, VERNON, CALIFORNIA

EXTENT OF SOIL CONTAINING PCBs GREATER THAN 1 MG/KG

DATE: 02/01/11
SCALE: 1"=40'
SHEET: 9A OF 11 SHEETS
PROJ No: 10627.003
G–9A

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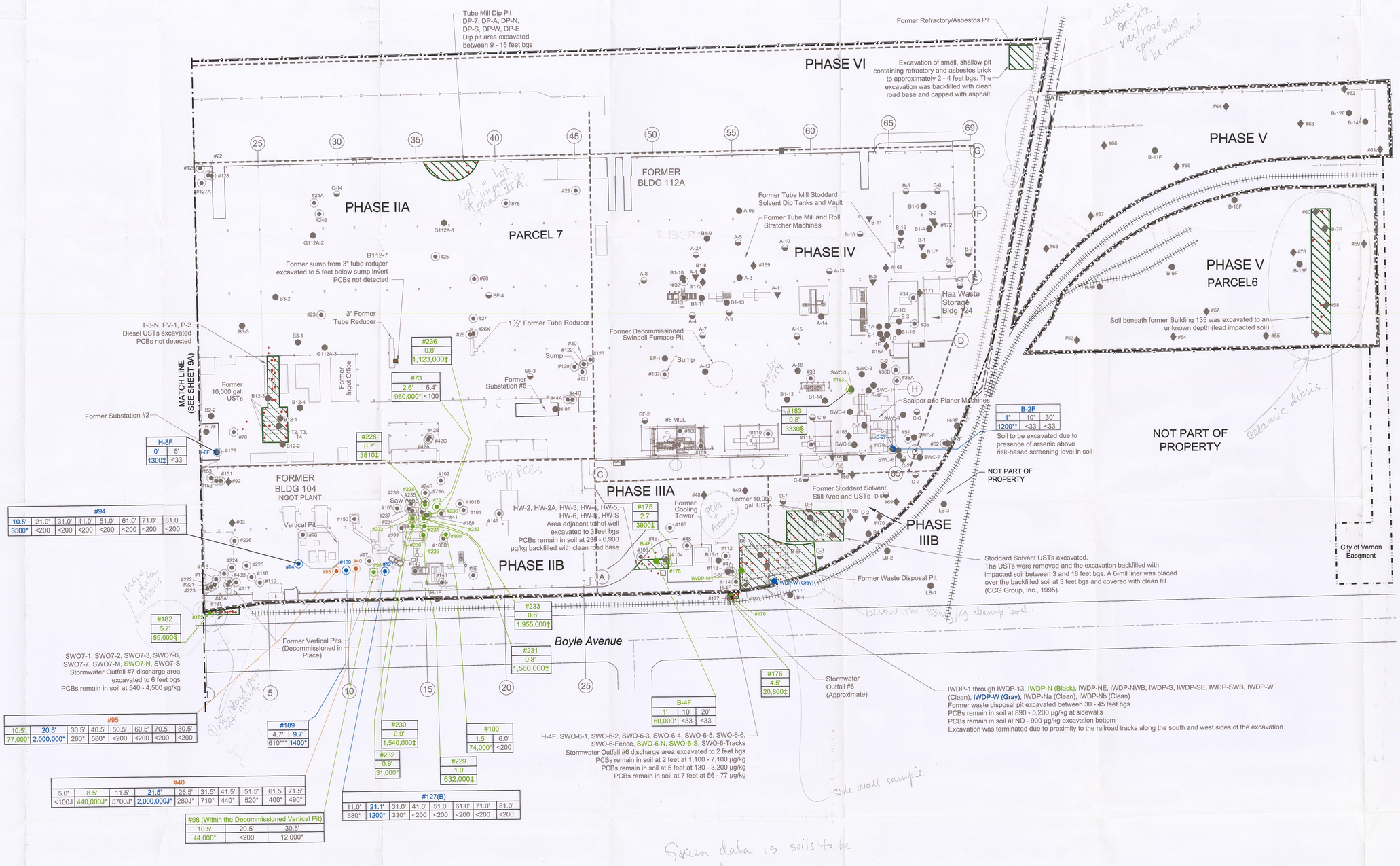
Plot Time: Feb 02, 2011 - 8:47am, Plotted By: jim.depoorter



EXPLANATION

- #78 ◆ SOIL VAPOR SAMPLING POINT, 2005 AND 2006
- #115 ◉ SOIL BORING, 2005, 2006, AND 2010
- B-1 ● SOIL BORING, 1996 AND 1998
- D-1 ◑ APPROXIMATE LOCATION OF HISTORICAL CPT
- C-1 ▼ SVE WELLS WERE DESTROYED DURING ABOVE GRADE DEMOLITION
- SAMPLE TAKEN BEFORE AND DURING EXCAVATION ACTIVITIES
- LIMITS OF WORK
- PHASING AREA BOUNDARY
- RAILROAD TRACK (AT GRADE)
- RAILROAD TRACK (BURIED)
- CHAIN LINK FENCE
- PREVIOUS EXCAVATION (ALL PREVIOUS LIMITS OF EXCAVATION ARE APPROXIMATE)
- BLDG BUILDING
- OBSERVATION AREA
- 6.0' SAMPLE DEPTH IN FEET BELOW GROUND SURFACE
- <2.0 SAMPLE RESULT IS LESS THAN THE REPORTING LIMIT SHOWN
- J ESTIMATED CONCENTRATION
- ‡ SUM OF AROCLOR-1248 AND AROCLOR-1260
- § SUM OF AROCLOR-1248, AROCLOR-1254, AND AROCLOR-1260
- * AROCLOR-1248
- ** AROCLOR-1260
- *** AROCLOR-1232
- PCBs POLYCHLORINATED BIPHENYLS (PCBs) REPORTED IN MICROGRAMS PER KILOGRAM (µg/kg)
- BGS BELOW GRADE SURFACE
- #228 ◉ SOIL REMEDIATION AREAS PROPOSED FOR EXCAVATION CONTAINING PCBs GREATER THAN 3.5 mg/kg FROM 0 TO 5 FEET BGS, OR CONTAINING PCBs GREATER THAN 23 mg/kg FROM 5 TO 15 FEET BGS, OR CONTAINING AROCLOR-1254 GREATER THAN 2.0 mg/kg FROM 0 TO 15 FEET BGS
- #40 ◉ NATIVE SOIL TO REMAIN IN PLACE CONTAINING PCBs GREATER THAN 1.0 mg/kg BUT LESS THAN 3.5 mg/kg, OR GREATER THAN 23 mg/kg FROM 5 TO 15 FEET BGS, OR GREATER THAN 1.0 mg/kg BELOW 5 FEET BGS
- #95 ◉ SOIL REMEDIATION AREA PROPOSED FOR EXCAVATION CONTAINING PCBs GREATER THAN 23 mg/kg FROM 5 TO 15 FEET BGS, AND NATIVE SOIL CONTAINING PCBs GREATER THAN 23 mg/kg AT DEPTHS GREATER THAN 15 FEET BGS, THAT WILL REMAIN IN PLACE

NOTES:

1. ALL LOCATIONS ARE APPROXIMATE.
2. SAMPLES ANALYZED USING EPA METHODS 8080 AND 8082.
3. PCB SOIL CONCENTRATIONS LESS THAN 1 mg/kg, OR REPORTED AS NOT DETECTED ARE NOT DEPICTED ON THIS DRAWING.
4. ALL SAMPLE LOCATIONS WITH CORRESPONDING ANALYTICAL DATA FOR PCBs ARE SHOWN ON FIGURES 2a AND 2b OF THE DECEMBER 29, 2010 RESPONSE TO EPA CONDITIONAL APPROVAL.
5. REFERENCE:

AMEC GEOMATRIX, INC., 2009, POLYCHLORINATED BIPHENYLS NOTIFICATION PLAN, FORMER PECHINEY CAST PLATE INC., FACILITY, VERNON, CALIFORNIA, JULY 10.

AMEC GEOMATRIX, INC., 2009 (REVISED), FEASIBILITY STUDY, FORMER PECHINEY CAST PLATE INC., FACILITY, VERNON, CALIFORNIA, SEPTEMBER 24.

MORRISON KNUDSEN CORPORATION, 1995, FINAL REPORT STODDARD SOLVENT SYSTEM FIELD INVESTIGATION, ALUMINUM COMPANY OF AMERICA, OCTOBER 27.

A.J. URSIC, JR., 1999, ALUMINUM COMPANY OF AMERICA DIVESTITURE OF THE ALCOA CAST PLATE FACILITY, PARCELS 6, 7, AND 8, VERNON, CALIFORNIA, JULY 28.

A.J. URSIC, JR., 1999, ALUMINUM COMPANY OF AMERICA DIVESTITURE OF THE ALCOA CAST PLATE FACILITY, PARCELS 6, 7, AND 8, VERNON, CALIFORNIA, JUNE 30.

MORRISON KNUDSEN CORPORATION, 1996, PITS, SUMPS, AND TUNNELS SOIL CHARACTERIZATION REPORT, ALUMINUM COMPANY OF AMERICA, VERNON, LOS ANGELES COUNTY, CALIFORNIA, MARCH 25.

BASEMAP MODIFIED FROM PECHINEY CAST PLATE, INC. SITE PLAN DATED JANUARY 9, 2002; GERAGHTY & MILLER, INC. "GROUNDWATER ELEVATION AND VOLATILE ORGANIC COMPOUND CONCENTRATIONS DECEMBER 8, 1994" FIGURE DATED FEBRUARY 2; 1995, ALUMINUM COMPANY OF AMERICA "WORKS GENERAL-MPA" FIGURE DATED OCTOBER 10, 1984; AND LOS ANGELES COUNTY ASSESSOR'S OFFICE PARCEL MAP 6310/SHEET 8, DATED NOVEMBER 5, 1958.

CAUTION: THIS PLAN MAY BE REDUCED 0 1" 2" ORIGINAL SCALE

REFERENCES: PLANS / DATUM

NO.	REVISION	DATE	APRVD

DRAWN PAH
DESIGNED DLS
CHECKED CHKD by
REVIEWED RVWD by

AMEC Geomatrix
AMEC Geomatrix
510 Superior Avenue, Suite 200
Newport Beach, California
(949) 642-0245

BELOW GRADE DEMOLITION & SOIL EXCAVATION PECHINEY CAST PLATE, INC., FACILITY 3200 FRUITLAND, VERNON, CALIFORNIA

EXTENT OF SOIL CONTAINING PCBs GREATER THAN 1 MG/KG

DATE: 02/01/11
SCALE: 1"=50'
SHEET: 9B OF 11 SHEETS
PROJ No: 10627.003
G-9B

Filepath: Y:\10627.003.01acad\Reports_2011\Grading Plan Addendum\No-1\G-9b.dwg
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